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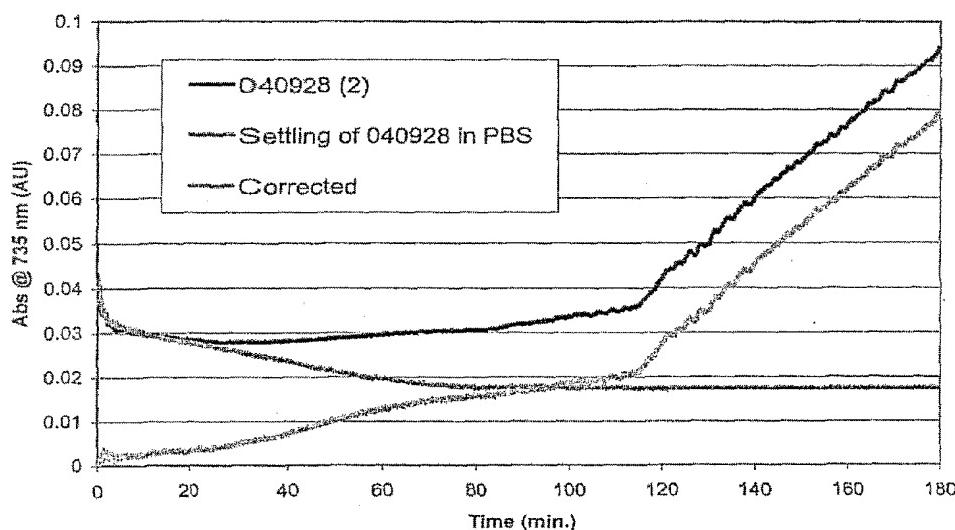
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(57) **Abstract:** Probing tools comprising nanotubes partially coated with a biocompatible coating capable of absorbing or imbibing bio-reactive materials. Also within are probing systems comprising nanopropes and microscopes. Methods are also provided comprising partially coating a nanotube with a biocompatible coating, contacting a membrane with the resulting nanoprobe, and, in some embodiments, expelling a molecule.